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CUSTOMER NUMBER

PATENT

Docket No: 1004435-001US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Timothy Cameron RALPH
Elanor HUNTINGTON **Confirmation No.:** 5231

Serial No. : 10/577,799 **Group Art Unit:** 2872

Filed : November 28, 2006 **Examiner:** Jade R. Callaway

For : COMPONENTS FOR OPTICAL QUBITS
IN THE RADIO FREQUENCY BASIS

Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION

S I R:

This responds to the **Final Office Action** mailed on September 4, 2009.

This paper is being filed within two months from the date of the Final Office Action.

Accordingly, if the claims are not allowable based upon the amendments herein, an Advisory
Action is respectfully requested.

Amendments to the claims are reflected in the listing of claims which begins on page 2 of
this paper.

Remarks begin on page 5 of this paper.